Axel Roudaut DevSecOps & Data Engineer — Cybersecurity

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SUMMARY

DevSecOps and Data Engineer specializing in Cybersecurity, with 7+ years designing and operating secure distributed infrastructures (Thales, French Ministry of Defense). Focused on CI/CD automation, service orchestration, and large-scale data platform deployment. Seeking DevOps, Platform Engineering, or Data Engineering opportunities in Montpellier from September 2026.

TECHNICAL SKILLS

Containers & Orchestration: Docker, Kubernetes, Helm
CI/CD & Automation: GitLab CI, Jenkins, Ansible, Terraform, Packer
Infrastructure & Cloud: Linux, Windows, VMware, OpenStack, GCP
Observability: Prometheus, Grafana, log pipelines
Data & Streaming: Kafka, Spark, Elasticsearch, ksqlDB, HDFS, Jupyter
Storage & Databases: PostgreSQL, MinIO, HDFS
Security: SIEM, Suricata, OSSEC, Sysmon, SIGMA, TheHive, auditd
Programming: Python, Go, Bash, PowerShell, REST APIs

EXPERIENCE

Cybersecurity DevSecOps Engineer Feb 2022 – Present
Thales – Rennes, France

- Designed, deployed, and operated Kubernetes-based infrastructure platforms (Kubernetes, Helm, Docker, Ansible, Python).
- Built and maintained Linux/Windows environments for offensive security scenarios (VMware API, Packer, Ansible, Terraform, PowerShell).
- Operated a self-hosted multi-antivirus file scanning platform, VirusTotal-like (Python, Go, Ansible, VMware ESXi, REST API).
- Automated CI/CD pipelines to improve software delivery efficiency (GitLab CI, Docker, Python, Go, Bash, PowerShell).
- Implemented infrastructure monitoring and observability solutions (Prometheus, Grafana, Docker, Ansible).
- Developed a binary forensics tool producing statistical analysis of executables (Python, Jupyter, MinIO, PostgreSQL).

Cyberdefense DevSecOps & Data Engineer Feb 2019 – Feb 2022
French Ministry of Defense – Paris, France

- Architected and deployed a Security Information and Event Management (SIEM) system (Suricata, auditd, OSSEC, Sysmon, SIGMA).
- Built real-time data processing pipelines for streaming workloads (Elasticsearch, Kafka, ksqlDB, Apache Spark, HDFS).
- Automated infrastructure provisioning and monitoring across distributed environments (Docker, Ansible, GitLab, Prometheus, Grafana).

Intern – Hardware Cybersecurity Auditing Mar 2018 – Sep 2018
Trusted Labs – Meudon, France

- Conducted electronic side-channel attack research on embedded systems (Python, oscilloscope, electronics).
- Performed fault-injection attacks on the Android kernel via clock manipulation (CLKSCREW, Bash, Android).

Intern – Cloud Integration Engineer Jun 2017 – Aug 2017
Altair – Antony, France

- Implemented a Python connector enabling cloud integration for HPC applications (Python, CI/CD, Jenkins, GCP).

EDUCATION

Advanced Master (M2) – Information Systems & Network Security 2018
TLS-SEC, Toulouse
Cryptography, assembly, reverse engineering, malware, Linux kernel, buffer overflows, network security.

Engineering Degree – Telecommunications & Networks 2015 – 2018
ENSEEIHT, Toulouse
Java, C, assembly, network protocols, Cisco, routing algorithms, signal transmission.

Erasmus Exchange – Big Data & Cybersecurity 2017
Dublin City University (DCU), Ireland
Cryptography, forensics, network security, reverse engineering, Big Data (Hadoop).

Preparatory Classes (CPGE) – Physics & Engineering Sciences 2013 – 2015
Lycée Michelet, Vanves

Languages: French (native), English (professional) **Licenses:** Motorcycle (A), Car (B)